

Amendments to the Claims

Please cancel Claims 1 through 11. Claims 12 through 19 remain pending:

Claims 1 - 11. (Cancelled).

12. (Original) A method of using temperature effect on a crystalline ceramic material to reduce the thermal conductivity of said crystalline ceramic material, said method comprising:

providing a ceramic material, said ceramic material having a layered crystalline morphology and orientation; and

heating said ceramic material at a temperature sufficient to alter said crystalline orientation of said crystalline material.

13. (Original) The method of claim 12 wherein said ceramic material is $\text{BaNd}_2\text{Ti}_3\text{O}_{10}$.

14. (Original) The method of claim 12 wherein said ceramic material is annealed.

15. (Original) The method of claim 12 wherein said ceramic material is plasma sprayed.

16. (Original) A method of using the texture of a ceramic material to affect thermal conductivity of the ceramic material, said method of comprising:

providing an anisotropic crystalline ceramic material, said crystalline material comprising a plurality of layered basal planes, said material having a first crystallographic texture; and

treating said ceramic material to provide a second crystallographic texture.

17. (Original) The method of claim 16 wherein said ceramic material is $\text{KCa}_2\text{Nb}_3\text{O}_{10}$.

18. (Original) The method of claim 16 wherein said ceramic material is thermally stressed.

19. (Original) The method of claim 18 wherein said ceramic material is annealed to induce said second crystallographic texture.